

IN THE CLAIMS:

The following is a complete listing of the claims, and replaces all earlier version and listings.

1. (currently amended): An image processing apparatus, comprising:
a converter, arranged to color-convert input image data using a three-dimensional table selected from a plurality of three-dimensional tables and an interpolation process;
a first calculator, arranged to obtain error-corrected data by adding error data to the color-converted image data;
an output section, arranged to select a dot pattern from a combination of dot patterns selected from a plurality of combinations of dot patterns based on ~~the basis of~~ the error-corrected data, and output the selected dot pattern;
an obtaining section, arranged to obtain data, which indicates an output color corresponding to the output dot pattern, by referring to an output density table; and
a second calculator, arranged to obtain the error data by calculating a difference between a ~~predetermined value corresponding to~~ the data which indicates the output ~~dot pattern~~ color, and the ~~error-corrected~~ color-converted image data,
wherein the plurality of three-dimensional tables include three-dimensional tables in correspondence with a color appearance of an image to be printed by the dot pattern.

2. (original): The apparatus according to claim 1, wherein the dot pattern expresses a combination of color dots.

3. (original): The apparatus according to claim 1, wherein said output section selects the combination of dot patterns in correspondence with a print medium on which the output dot pattern is printed.

4. (currently amended): The apparatus according to claim 1, wherein ~~said converter selects the plurality of three-dimensional tables include a three-dimensional table in correspondence with a color appearance of an image to be printed by the dot pattern output from said output section~~ having a conversion characteristic that increases contrast of the middle luminance.

5. (currently amended): The apparatus according to claim 1, wherein the plurality of three-dimensional tables include a three-dimensional table having a conversion characteristic[[s]] that ~~increase~~ increases a saturation of a specific hue.

6. (currently amended): An image processing method comprising the steps of:

color-converting input image data using a three-dimensional table selected from a plurality of three-dimensional tables and an interpolation process;

obtaining error-corrected data by adding error data to the color-converted image data;

selecting a dot pattern from a combination of dot patterns selected from a plurality of combinations of dot patterns based on the basis of the error-corrected data, and outputting the selected dot pattern;

obtaining data, which indicates an output color corresponding to the output dot pattern, by referring to an output density table; and

obtaining the error data by calculating a difference between a ~~predetermined value corresponding to the data which indicates the output dot pattern color,~~ and the error-corrected data,

wherein the plurality of three-dimensional tables include three-dimensional tables in correspondence with a color appearance of an image to be printed by the dot pattern.

7. (original): The method according to claim 6, wherein the dot pattern expresses a combination of color dots.

8. (original): The method according to claim 6, wherein the combination of dot patterns is selected in correspondence with a print medium on which the output dot pattern is printed.

9. (currently amended): The method according to claim 6, wherein the plurality of three-dimensional tales include a three-dimensional table is selected in correspondence with a color appearance of an image to be printed by the dot pattern having a conversion characteristic that increases contrast of the middle luminance.

10. (currently amended): The method according to claim 6, wherein the plurality of three-dimensional tables include a three-dimensional table having a conversion characteristic[[s]] that increases a saturation of a specific hue.

11. (currently amended): A computer readable medium storing a computer-executable program ~~product storing a computer readable medium~~ comprising a ~~computer~~ program code[[,]] for causing a computer to perform an image processing method, the method comprising the steps of:

color-converting input image data using a three-dimensional table selected from a plurality of three-dimensional tables and an interpolation process;

obtaining error-corrected data by adding error data to the color-converted image data;

selecting a dot pattern from a combination of dot patterns selected from a plurality of combinations of dot patterns based on the basis of the error-corrected data, and outputting the selected dot pattern;

obtaining data, which indicates an output color corresponding to the output dot pattern, by referring to an output density table; and

obtaining the error data by calculating a difference between ~~a predetermined value corresponding to the data which indicates~~ the output ~~dot pattern~~ color, and the error-corrected color-converted image data.

wherein the plurality of three-dimensional tables include three-dimensional tables in correspondence with a color appearance of an image to be printed by the dot pattern.

12. and 13. (cancelled).